

Patent Number:

United States Patent [19]

Kito

Nov. 21, 2000 **Date of Patent:** [45]

[11]

[54]		FOR WIRING OF A NDUCTOR DEVICE			
[75]	Inventor:	Takayuki Kito, Kyoto, Japan			
[73]	Assignee:	Rohm Co., LTD, Kyoto, Japan			
[21]	Appl. No.:	09/373,283			
[22]	Filed:	Aug. 12, 1999			
Related U.S. Application Data					
[62]	Division of No. 5,977,5	application No. 08/672,978, Jul. 1, 1996, Pat 87.			
[30]	Forei	gn Application Priority Data			
Jun.	29, 1995	JP] Japan 7-16332			
[51]	Int. Cl. ⁷ .	H01L 21/4			
[52]	U.S. Cl	438/598 ; 438/618; 438/621			
[58]	Field of S	earch 438/584, 586			
		438/597, 598, 599, 618, 621			
[56]		References Cited			

U.S. PATENT DOCUMENTS

5,174,858 12/1992 Yamamoto et al. 156/643

5/1994 Motonami et al. 257/773

4/1996 Murata et al. 437/52

4,045,811

5,089,874

5,309,023

5,432,381

5.504.029

5,519,241

5,614,762	3/1997	Kanamori et al	. 257/69
5,631,484	5/1997	Tsoi et al	257/341
5,672,894	9/1997	Maeda et al	257/343
5,719,429	2/1998	Yoshida et al	257/382
5,744,854	4/1998	Okada et al	257/565

6,150,254

Primary Examiner-T. N. Quach Attorney, Agent, or Firm-Darby & Darby

[57] **ABSTRACT**

A perimeter gate wiring 52 comprises a contact portion 54 and an interconnecting portion 56 having narrower width than the contact portion 54 which connects the contact portion 54 mutually. And the perimeter gate wiring 52 is connected electrically with the gate perimeter portion 66 at the contact portion 54. A source wiring perimeter portion 58 comprises a contact portion 60 and an interconnecting portion 62 having narrower width than the contact portion 60 which connects the contact portion 60 mutually. And the source wiring perimeter portion 58 is connected electrically with a perimeter diffusion layer 74 in the contact portion 60. The contact portion 54 of the perimeter gate wiring 52 and the interconnecting portion 62 of the source wiring perimeter portion 58 are provided adjacently. Also, the interconnecting portion 56 of the perimeter gate wiring 52 and the contact portion 60 of the source wiring perimeter portion 58 are provided with one another adjacently. So that, it is possible to narrow a width of both the perimeter gate wiring 52 and the source wiring perimeter portion 58 with maintaining contact between the gate perimeter portion 66 and the like.

4 Claims, 14 Drawing Sheets

